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THE WHITE WATERLILY OF MCGREGOR, IOWA.

HENRY S. CONARD

At the meeting of this Academy held in Grinnell one year ago I reported some observations upon the white waterlily of Clear Lake, Iowa. The present notes are made possible through the kindness of Mr. H. C. Daubenberger of McGregor, Iowa, who sent specimens to Grinnell from his home in the first week of August, 1917. The package contained four flowers, three leaves and a rhizome twenty-one inches long.

The McGregor plant appears to be identical with that of Clear Lake. The flowers are large, with an unusually large number of peals; stamens less numerous than at Clear Lake; carpels the same as at Clear Lake. The outermost petal is in some cases oblanceolate, in others broadly spatulate. The peduncle is dull brownish or faintly striped with brown. The leaf has 12 or 13 veins, with a very long principal area. The petiole was brown striped in all three of the specimens sent to me. The rhizome was $\frac{3}{4}$ to $1\frac{1}{2}$ inches in diameter, with two buds that gave evidence of being incipient tubers. The stipules are nearly twice as broad as long.

There is therefore in Iowa a type of waterlily of fairly wide distribution, combining characteristics of *Nymphaea odorata* and *N. tuberosa*, and variable in respect to certain of these characteristics. Further records from these and other localities are greatly to be desired.

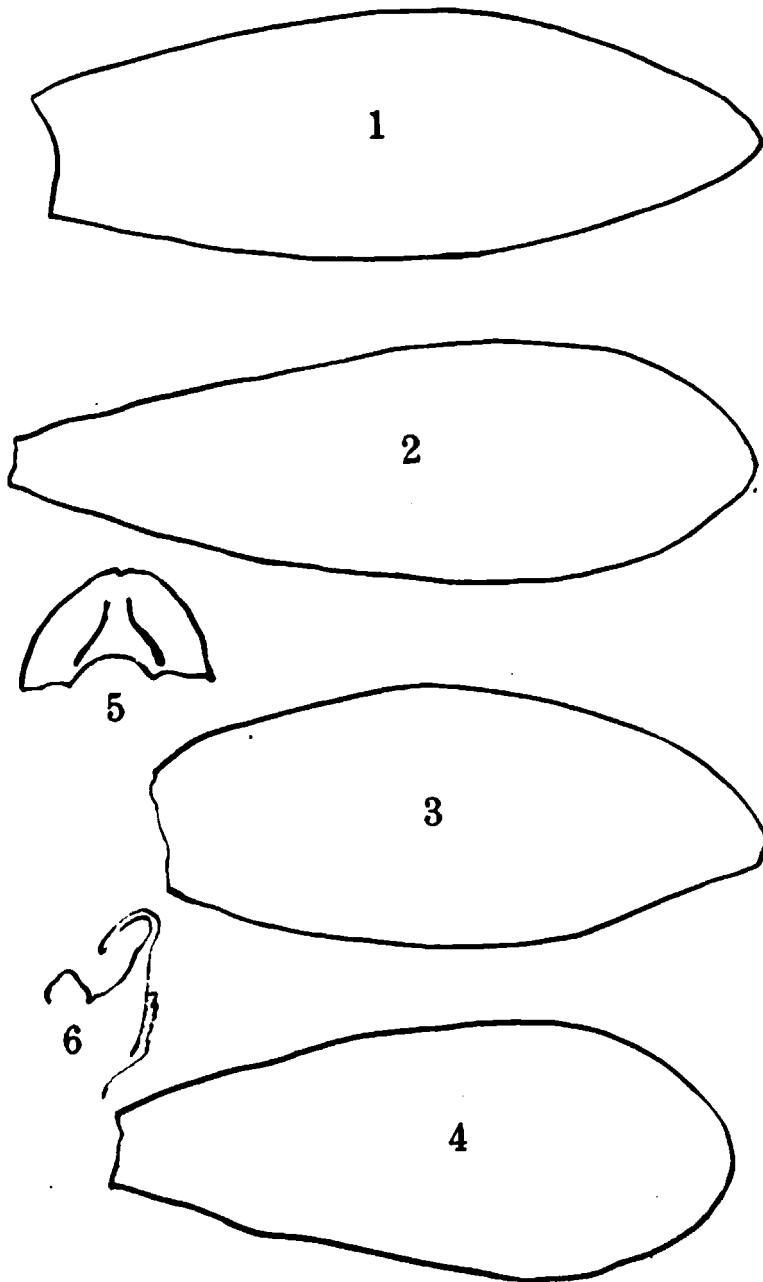
¹Proc. Iowa Acad. Sci., Vol. 24, p. 449, 1917.

	Sepals	Petals	Stam.	Carp.	Outer Petal	Peduncle Diam.	Color
Flower 1	4	46	81	15	oblanceo- late	7mm.	dull brownish
2	4	45	67	14	oblanceo- late	6	faintly striped
3	4	47	85	16	spatulate	6	not striped
4	4	38	79	16	spatulate	7	striped
Average	4	44	75	15			
Av. Clear Lake	4	32	92	15			

	PETIOLE		Veins	Radius: Princ. Area
	Diameter	Color		
Leaf 1	7mm.	striped	12	$3\frac{3}{4}$: 3
2	6	striped	13	
3	6	striped		$5\frac{1}{2}$: $4\frac{3}{4}$

IOWA ACADEMY OF SCIENCE.

PLATE II



Nymphaea tuberosa of McGregor, Iowa. 1, sepal; 2, petal of second row, Fl. 1; 3, sepal; 4, petal of second row, Fl. 3; 5, stipule; 6, section of ovary. All natural size.